

OFFICE OF THE CHIEF TECHNOLOGIST

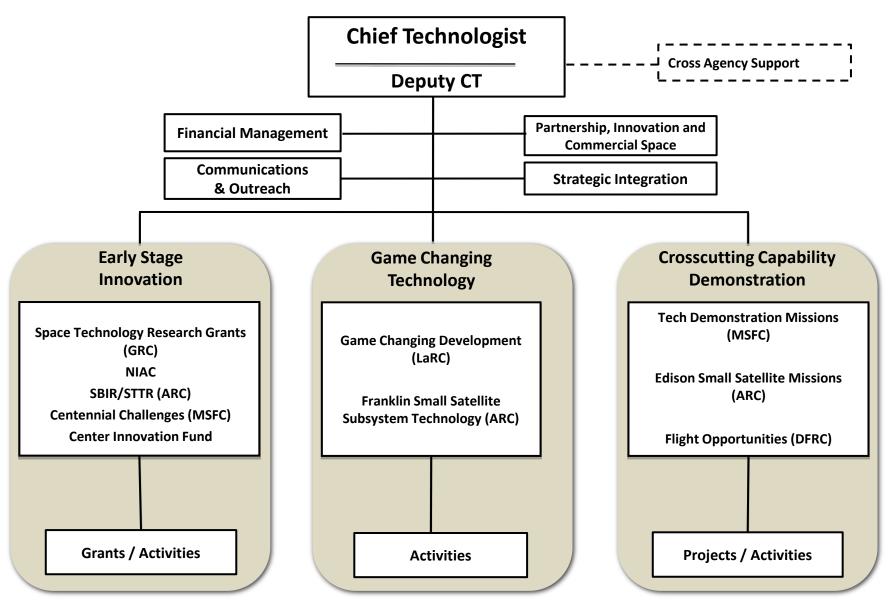
SPACE TECHNOLOGY INDUSTRY FORUM

Flight Opportunities Program

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Program Executive (Acting)
July 13, 2010

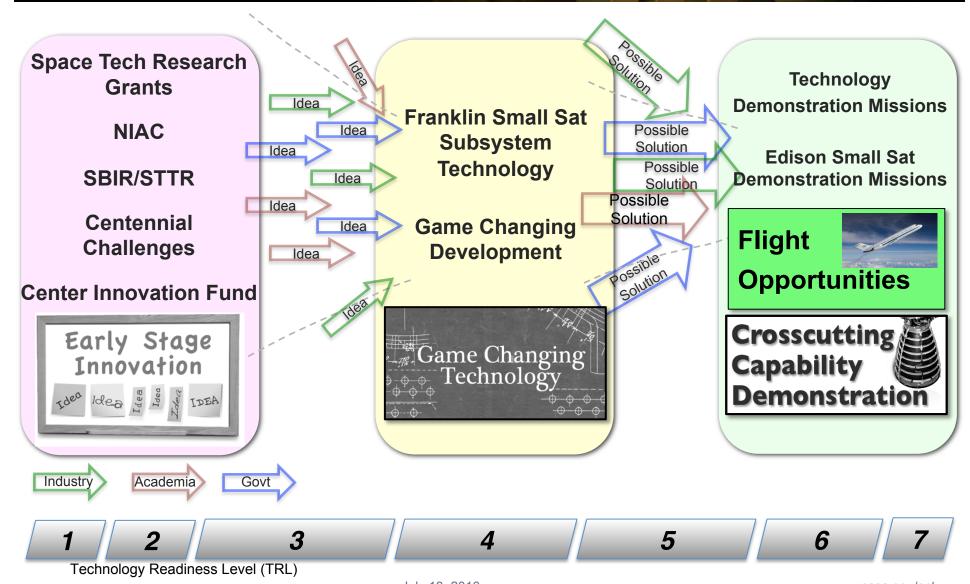
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OCT Program Overview





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www.nasa.gov/oct

Flight Opportunities



Level II Program Office: DFRC





Objective: Provide flight opportunities for technology development, science and education efforts in reduced-gravity environments, brief periods of weightlessness, and high-altitude atmospheric research. The Flight Opportunities Program combines the FY10 FAST and CRuSR efforts previously managed by NASA's Innovative Partnership Program. Goal of expanding program to other platforms and test environments in FY12.

- CRuSR will procure sub-orbital space transportation services to provide 3-4 minutes of microgravity environment for tech development, scientific and university research
- The FAST will procure parabolic flights to test technologies in a space environment that could simulate microgravity and the reduced gravity environments of the Moon or Mars

Acquisition Strategy

- CRuSR RFQ for payload accommodation on operational and developmental suborbital platforms (FY11 is not man-tended)
- FAST RFQ for payload accommodation on commercial and governmental parabolic flights
- Semi Annual BAA for researchers to gain access to CRuSR and FAST platforms to test technologies in a relevant space environment

Awards

- Parabolic flights: FY11 4 flight weeks/year with 15 payloads/flight week
- Suborbital flights: ~\$11M of flights purchased to multiple vendors.

Collaboration

- Industry, Government labs, and emerging commercial suborbital platform providers for access to simulated space environment
- Industry, Academia, Government researchers encourages to apply to Flight Opportunities platforms